

Appl. No. : 10/584,968
Filed : 30-Jun-2006

AMENDMENTS TO THE CLAIMS

A complete listing of all claims is presented below with insertions underlined (e.g., insertion), and deletions struckthrough or in double brackets (e.g., ~~deletion~~ or [[~~deletion~~]]):

1.-13. (Canceled)

14. (Currently Amended) A prosthesis for placement at an opening from a main body lumen to a branch body lumen, the prosthesis comprising:

a radially expandible support, the support configured to be deployed in at least a portion of the branch body lumen, the support adapted to provide a first radial force to support a body lumen;

at least two elongate, flexible fronds extending from an end of the support, each frond having a first end, a second end, and an axially extending undulating elongate portion having a plurality of crests and troughs between the first and second ends, ~~at least a portion of the~~ axially elongate portion comprising a plurality of first and second spaced apart filaments each having first and second ends resting and troughs extending in phase, the first end of the first filament being directly connected to a first proximal apex of the radially expandible support, the first end of the second filament being directly connected to a second proximal apex of the radially expandible support, the first proximal apex being spaced apart from the second proximal apex, the second end of the second filament being coupled with the first filament at a location between the first and second ends of the frond, the fronds extending from an end of the support and configured to be positioned across the [[Os]]opening and into the main body lumen;

at least one circumferential link ~~comprising an undulating pattern including a plurality of crests and troughs, the circumferential link being connected at crests thereof to the second ends of the fronds, the circumferential link spaced axially apart from the support by the fronds and adapted to provide a second radial force that is less than the first radial force; and~~

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a plurality of elongate side wall openings in between adjacent fronds sized and configured to receive a stent deployment device therethrough;

the elongate, flexible fronds, the support and the circumferential link defining a unitary body as deployed, the elongate side wall openings in between adjacent fronds for facilitating crossing of a main vessel stent therethrough when the support is positioned in the branch body lumen and the circumferential link is positioned in the main body lumen.

15. **(Previously Presented)** The prosthesis as in Claim 14, wherein the circumferential link comprises an undulating pattern having at least three apexes.

16. **(Previously Presented)** The prosthesis as in Claim 14, comprising three fronds.

17. **(Previously Presented)** The prosthesis as in Claim 14, wherein at least one frond comprises a helical configuration.

18. **(Original)** The prosthesis as in Claim 17, comprising a plurality of helical fronds.

19. **(Previously Presented)** The prosthesis as in Claim 14, wherein at least a portion of the fronds comprises a lubricious coating.

20. **(Previously Presented)** The prosthesis as in Claim 14, wherein the fronds, have an axial length of at least about 8 mm.

21. **(Original)** The prosthesis as in Claim 14, wherein the circumferential link is radiopaque.

22. **(Previously Presented)** The prosthesis as in Claim 21, wherein the circumferential link has a greater radiopacity than the fronds.

23. **(Original)** The prosthesis as in Claim 14, comprising an endothelial cell ingrowth surface.

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24. **(Original)** The prosthesis as in Claim 14, comprising a non thrombogenic surface.

25.-36. (Canceled)

37. **(Currently Amended)** The prosthesis as in Claim [[36]]14, wherein at least a portion of the radially expandable support comprises a drug coating, and at least a portion of the fronds and the circumferential link are without a drug coating.

38. **(Previously Presented)** The prosthesis as in Claim 37, wherein the drug coating is configured to produce at least one of a controlled drug release rate, a constant drug release rate, bi-modal drug release rate or a controlled concentration of drug proximate a target vessel wall.

39. **(Previously Presented)** The prosthesis as in Claim 37, wherein the drug is one of an anti-cell proliferative, anti cell migration, anti-neo plastic, and anti inflammatory drug.

40. **(Previously Presented)** The prosthesis as in Claim 37, wherein the drug is configured to reduce restensosis.

41. **(Previously Presented)** The prosthesis as in Claim 37, wherein the drug coating includes a first coating and a second coating.

42. **(Previously Presented)** The prosthesis as in Claim 41, wherein the first coating is configured to produce a first drug release rate and the second coating is configured to produce a second drug release rate.

43. **(Previously Presented)** The prosthesis as in Claim 14, wherein the circumferential link comprises a single transverse filament.

44. **(Previously Presented)** The prosthesis as in Claim 14, further comprising a transition section between the support and the fronds.

45.-46. (Canceled)

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47. **(Previously Presented)** The prosthesis of Claim 14, wherein the prosthesis includes a drug incorporated into a polymer matrix.

48. **(Cancelled)**

49. **(Previously Presented)** The prosthesis of Claim 47, wherein the polymer matrix includes a base layer and a top layer, the drug being incorporated into at least one of the top layer and the base layer.

50. **(Previously Presented)** The prosthesis of Claim 14, wherein the prosthesis includes one or more reservoirs configured to be loaded with a drug.

51. **(Previously Presented)** The prosthesis of Claim 50, wherein the prosthesis includes one or more drugs in the one or more reservoirs.

52. **(New)** The prosthesis of Claim 14, wherein the second end of the second filament is coupled with a side portion of the first filament.

53. **(New)** A prosthesis for placement at an opening from a main body lumen to a branch body lumen, the prosthesis comprising:

a radially expandable support, the support configured to be deployed in at least a portion of the branch body lumen;

at least two elongate, flexible fronds extending from an end of the support, each frond having a first end, a second end, and an elongate portion extending axially between the first and second ends; and

a circumferential link connected to the second ends of the fronds, the circumferential link spaced axially apart from the support by the fronds;

wherein the first end of each of the fronds is directly connected to a plurality of spaced apart apices of the radially expandable support; and

wherein the second end of each of the fronds is directly connected to the circumferential link at a single location.

54. **(New)** A prosthesis as in Claim 53, wherein first end of the fronds is connected to three spaced apart apices of the radially expandable support.

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55. (New) A prosthesis as in Claim 53, wherein the radially expansible support is adapted to provide a first radial force to support the branch body lumen and the circumferential link is adapted to provide a second radial force that is less than the first radial force when applied to the main body lumen.

56. (New) A prosthesis as in Claim 53, wherein fronds further comprises first and second spaced apart filaments having distal and proximal ends, the distal ends of each of the first and second filaments being directly coupled with spaced apart proximal apices of the radially expanded support.

57. (New) A prosthesis as in Claim 56, where the proximal end of the second filament is coupled with a side portion of the first filament between the distal and proximal ends of the first filament.

58. (New) A prosthesis as in Claim 53, further comprising a plurality of elongate side wall openings in between adjacent fronds sized and configured to receive a stent deployment balloon catheter therethrough.